

PRINTER RUSH
(PTO ASSISTANCE)

Application : 10/074,745 Examiner : Shibuya GAU : 1639

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[RUSH] MESSAGE: There are two occurrences of Fig. 8 within the Brief Description of Drawings, in which the second should be labeled "Fig. 9". Please advise.

Thank you.

[XRUSH] RESPONSE: Corrected type.

INITIALS: dsf

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04

FIGS. 5A-5M illustrate the use of physical masking techniques to generate an array of reactants on a single substrate;

FIG. 6 displays the elements of a typical guided droplet dispenser that may be used to delivery the reactant solution of the present invention;

FIG. 7 illustrates an example of a Scanning RF Susceptibility Detection System which can be used to detect the superconductivity of an array of materials;

FIG. 8 is a map of the reactant components delivered to the 16 predefined regions on the MgO substrate;

FIG. 9 is a photograph of the array of 16 different compounds on the 1.25 cm x 1.25 cm MgO substrate; and

FIG. 10A-10B illustrate the resistance of the two conducting materials as a function of temperature.

DETAILED DESCRIPTION OF THE INVENTION AND PREFERRED EMBODIMENTS

CONTENTS

- I. Glossary
- II. General Overview
- III. Isolation of Reaction Regions on The Substrate
- IV. Methods For Delivery Of Reactant Components
 - A. Delivery Using Thin-Film Deposition Techniques
 - B. Delivery Using A Dispenser
- V. Moving The Dispenser With Respect To The Substrate
- VI. Synthetic Routes For Reacting The Array Of Components
- VII. Methods For Screening An Array Of Materials
- VIII. Alternative Embodiments
- IX. Examples
 - A. Synthesis of An Array of Copper Oxide Thin-Film Materials
 - B. Synthesis of An Array of 16 Different Organic Polymers
 - C. Synthesis of An Array of Different Zeolites
 - D. Synthesis of An Array of Copper Oxide Compounds Using Spraying Deposition Techniques